AMENDMENTS TO THE CLAIMS

Please substitute the following claims for the pending claims with the same numbers respectively:

Claim 1 (Currently amended): A signal processing device which decodes a data stream which includes a first audio data and a second audio data sampled at different respective sampling frequencies of fs1 and fs2, where fs1<fs2, comprising:

a decoder ~~which is inputted said data stream and separates~~ for receiving and separating said data stream into said first audio data and said second audio data and for outputting said first audio data and said second audio data;

a filter ~~which, among said first and second audio data outputted from said decoder, performs~~ for performing re-sampling upon said first audio data at the same sampling frequency fs2 as that of said second audio data, and ~~suppresses~~ suppressing aliasing distortion due to said re-sampling, and for outputting said first audio data from said filter; and

a delay unit ~~which, among said first and second audio data outputted from said decoder, delays~~ for delaying said second audio data by a delay period equal to a processing period due to said filter, and for outputting said second audio data concurrently with said first audio data.

Claim 2 (Original): A signal processing device according to claim 1, wherein said decoder separates said data stream, processing unit thereof corresponding to said processing period in said filter, into said first and second audio data having original sampling frequencies, respectively.

Claim 3 (Original): A signal processing device according to claim 1, wherein signal processing delay time in said filter corresponds to a predetermined processing unit of inputted audio data.

Claim 4 (Currently amended): A signal processing device according to claim 1, wherein said filter comprises:

a re-sampling circuit ~~which, among the first and second audio data which are outputted from said decoder, performs~~ for

performing re-sampling upon said first audio data having said sampling frequency ~~of~~ fs1 at said sampling frequency fs2 as that of said second audio data; and

an FIR filter which suppresses aliasing distortion in said first ~~of~~ audio data.

Claim 5 (Currently amended): A signal processing device according to claim 1, wherein said second ~~stream of~~ audio data includes at least audio data for a forward right channel and audio data for a forward left channel.

Claim 6 (Currently amended): A signal processing device according to claim 2, wherein said second ~~stream of~~ audio data includes at least audio data for a forward right channel and audio data for a forward left channel.

Claim 7 (Currently amended): A signal processing device according to claim 3, wherein said second ~~stream of~~ audio data includes at least audio data for a forward right channel and audio data for a forward left channel.

Claim 8 (Original): A signal processing device according to claim 1, wherein said sampling frequency fs1 is one of 48 kHz and 44.1 kHz, and said sampling frequency fs2 is twice as high as said sampling frequency fs1.

Claim 9 (Original): A signal processing device according to claim 2, wherein said sampling frequency fs1 is one of 48 kHz and 44.1 kHz, and said sampling frequency fs2 is twice as high as said sampling frequency fs1.

Claim 10 (Original): A signal processing device according to claim 3, wherein said sampling frequency fs1 is one of 48 kHz and 44.1 kHz, and said sampling frequency fs2 is twice as high as said sampling frequency fs1.

Claim 11 (Currently amended): A signal processing device according to claim 1, wherein:

said second ~~stream of~~ audio data includes at least audio data for a forward right channel and audio data for a forward left channel;

said sampling frequency fs1 is one of 48 kHz and 44.1 kHz; and

said sampling frequency fs2 is twice as high as said sampling frequency fs1.

Claim 12 (Currently amended): A signal processing method which decodes a data stream which includes a first audio data and a second audio data sampled at different respective sampling frequencies of fs1 and fs2, where fs1<fs2, said method comprising the steps of:

~~a~~ decoding ~~step of inputting said~~ the data stream and separating ~~said~~ the data stream into ~~said~~ the first audio data and ~~said~~ the second audio data and outputting the first audio data and the second audio data;

~~a~~ filtering ~~step of, among said first and second audio data outputted from said decoding step, performing~~ the first audio data by re-sampling ~~upon said first audio data~~ at the same sampling frequency fs2 as that of ~~said~~ the second audio data, and suppressing aliasing distortion ~~due to~~ in the first audio data obtained following said step of re-sampling, and outputting the first audio data; and

~~a delay processing step of, among said first and second audio data outputted from said decoder,~~ delaying ~~said~~ the second audio data by a delay period equal to a processing period due to said step of filtering ~~step~~ to output the second audio data concurrently with the first audio data.

Claim 13 (Currently amended): A signal processing method according to claim 12, wherein said step of decoding ~~step~~ separates ~~said~~ the data stream~~, processing unit thereof corresponding to said processing period in said filter step,~~ into ~~said~~ the first and second audio data having original sampling frequencies, respectively.

Claim 14 (Currently amended): A signal processing method according to claim 12, wherein ~~said~~ a processing period in said step of filtering ~~step~~ corresponds to a predetermined processing unit of inputted audio data.

Claim 15 (Currently amended): A signal processing method according to claim 12, wherein said step of filtering ~~step~~ comprises:

~~a re-sampling step of, among the first and second audio data outputted from said decoding step, performing~~ re-sampling ~~upon~~ the first audio data having ~~said~~ the sampling frequency of fs1 at the ~~said~~ same sampling frequency fs2 as that of the second audio data~~,~~ and ~~a filtering step of~~ suppressing aliasing distortion in ~~said~~ the first audio data.

Claim 16 (Currently amended): A signal processing method according to claim 12, ~~wherein said~~ further comprising the step of providing the second ~~stream of~~ audio data ~~includes~~ with at least audio data for a forward right channel and audio data for a forward left channel.

Claim 17 (Currently amended): A signal processing method according to claim 12, wherein said step of filtering includes using the sampling frequency fs1 ~~is~~ from at least one of 48 kHz and 44.1 kHz, and said step of delaying includes using the sampling frequency fs2 which is twice ~~said~~ the sampling frequency fs1.

Claim 18 (Currently amended): A signal processing method according to claim 12, ~~wherein: said~~ further comprising the step of providing the second audio data ~~includes~~ with at least audio data for a forward right channel and audio data for a forward left channel;

~~said~~ and wherein step of filtering includes using the sampling frequency fs1 ~~is~~ from at least one of 48 kHz and 44.1 kHz; and

said step of delaying includes using the sampling frequency fs2 which is twice as high as ~~said~~ the sampling frequency fs1.

Claim 19 (Original): An optical disk reproducing device which reproduces multi-channel audio signals using a signal processing device according to claim 8, when reproducing an optical disk upon which said first and second audio data, which have been sampled at respective different sampling frequencies fs1 and fs2 with fs1<fs2, have been recorded as a single stream of audio data.